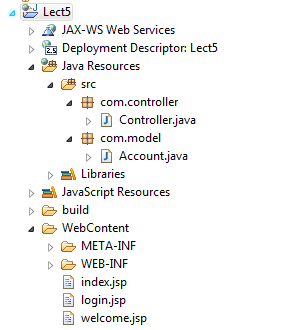
Lecture 5

Login System with Database



**index.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>Enter Values</h1>

<form method=*"post"* action=*"*<%=request.getContextPath() %>*/Controller"*>

<input type=*"hidden"* name=*"action"* value=*"sign\_up"* />

Name: <input type=*"text"* name=*"name"* value=*"*<%=request.getAttribute("name") %>*"* />

<br><br>

Email: <input type=*"text"* name=*"email"* value=*"*<%=request.getAttribute("email") %>*"* />

<br><br>

Password: <input type=*"text"* name=*"password"* value=*"*<%=request.getAttribute("password") %>*"* />

<br><br>

<input type=*"submit"* name=*"submit"* value=*"Register"* />

</form>

</body>

</html>

**welcome.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

Welcome <%=session.getAttribute("email") %>

</body>

</html>

**login.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<b><%=request.getAttribute("msg") %></b>

<BR>

<BR>

<form method=*"post"* action=*"*<%=request.getContextPath() %>*/Controller"*>

<input type=*"hidden"* name=*"action"* value=*"login"* />

Email: <input type=*"text"* name=*"email"* /><BR><BR>

Password:<input type=*"text"* name=*"password"* /><BR><BR>

<input type=*"submit"* name=*"submit"* value=*"Login"* />

</form>

</body>

</html>

**Controller.java**

package com.controller;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.model.Account;

public class Controller extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

String action=request.getParameter("action");

if(action == null){

request.setAttribute("name","");

request.setAttribute("email","");

request.setAttribute("password","");

request.getRequestDispatcher("index.jsp").forward(request, response);

}

else{

doPost(request,response);

}

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

String action=request.getParameter("action"); //sign\_up

if(action.equals("sign\_up")){

String name = request.getParameter("name");

String email = request.getParameter("email");

String password = request.getParameter("password");

Account account = new Account();

try {

account.insert(name,email,password);

} catch (Exception e) {}

request.setAttribute("msg", "Registration Successfull <br> Please Login!");

request.getRequestDispatcher("login.jsp").forward(request, response);

}

if(action.equals("login")){

String email = request.getParameter("email");

String password = request.getParameter("password");

Account account = new Account();

boolean status=false;

try {

status = account.doLogin(email,password);

} catch (Exception e) {}

if(status== true){

HttpSession session = request.getSession();

session.setAttribute("email", email);

request.getRequestDispatcher("welcome.jsp").forward(request, response);

}

else{

request.setAttribute("msg", "Invalid Login");

request.getRequestDispatcher("login.jsp").forward(request, response);

}

}

}

}

**Account.java**

**package** com.model;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**public** **class** Account {

String user = "root";

String password="";

String url="jdbc:mysql://localhost:3306/";

String dbname="test";

String driver="com.mysql.jdbc.Driver";

Connection con;

**public** **void** insert(String name,String email,String password) **throws** ClassNotFoundException, SQLException{

dbConnect();

String sql = "insert into users(name,email,password) values (?,?,?)";

PreparedStatement pstmt = con.prepareStatement(sql);

pstmt.setString(1, name);

pstmt.setString(2, email);

pstmt.setString(3, password);

pstmt.executeUpdate();

dbClose();

}

**public** **boolean** doLogin(String email,String password) **throws** Exception{

dbConnect();

**int** count = 0;

String sql="select count(\*) as count from users where email = ? AND password =?";

PreparedStatement pstmt = con.prepareStatement(sql);

pstmt.setString(1, email);

pstmt.setString(2, password);

ResultSet rst = pstmt.executeQuery();

**while**(rst.next()){

count = rst.getInt("count"); //1

}

dbClose();

**if**(count == 0)

**return** **false**;

**else**

**return** **true**;

}

**private** **void** dbConnect() **throws** ClassNotFoundException, SQLException{

Class.*forName*(driver);

con = DriverManager.*getConnection*(url+dbname,user,password);

}

**private** **void** dbClose() **throws** SQLException{

con.close();

}

}